

INFORMATION REPORT

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COUNTRY USSR(Ukrainian SSR)

DATE DISTR. 20 February 1952

SUBJECT Power Plant near Roya

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THIS IS UNEVALUATED INFORMATION

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1. Three turbines of 50,000 kw each were in operation at the power plant near Roya (49°59'N/37°18'E), Ukrainian S.S.R., in January 1950. According to Udo Mertens, chief construction engineer, the first turbine was installed in 1946, the second in 1947, and the third in 1949. The fourth turbine, which was scheduled to be ready for use on the day of the October Revolution 1949, was not running by January 1950, although Soviet engineers told one PW in late 1949 that four turbines were in operation and that a large part of the Ukraine was supplied by the power plant. Soviet engineers said that, in all, eight turbines were to be in operation by 1955. The required surveying was underway.

2. The four turbines were set up along the northern side of the turbine house on foundations 18 x 12 x 2 meters. A wide gallery with switching installations ran along the two long sides of the hall. Machine tools of various types were seen on the gallery near the fourth turbine while this was being installed. The turbines were placed on their foundations by a giant crane. Eight boilers with automatic firing devices were installed in the boiler house.

3. [redacted] in the plant area six boilers 18 meters long and 3 meters in diameter, numerous Mannesmann tubes up to 50 cm in diameter, and six large crates which had arrived, each loaded on a separate freight car and lettered "Oppeln" and "Liegnitz".

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4. A fourth smokestack on the power plant was half completed in January 1950. Otherwise there was no construction work going on the power plant itself. However, work was under way at the reservoir embankment to raise the water level of the reservoir by 6 meters. [redacted]

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5. The reservoir embankment was about 1,000 meters long and only 3 meters wide at its crest. A new dam was under construction 50 meters west of the old one. It is also 1,000 meters long but 30 meters wide at the crest and about 20 meters

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high. The dam is of mud with a stone lining on the side facing the reservoir. A reinforced concrete spillway through the dam was being built at its northern side. The dam was nearing completion at that time. *

25X1 [REDACTED] Comment. See Annex for status of the construction work on the dam in 1949. The location of the "Kurskhevgres" power plant near Rova was previously reported. According to an earlier report, two 50,000 kw turbines were in use in November 1948, the foundations for the third turbine were completed, and the fourth turbine started running on 7 October 1949. This report also mentions the planned installation of four more turbines. It appears correct that within the framework of the current five-year plan the capacity of this power plant is to be increased to such an extent that it will be able to take over the work of the large Dnieper power plant near Zaporozhe in case of emergency.

1 ANNEX: New dam of the reservoir NW of Rova.

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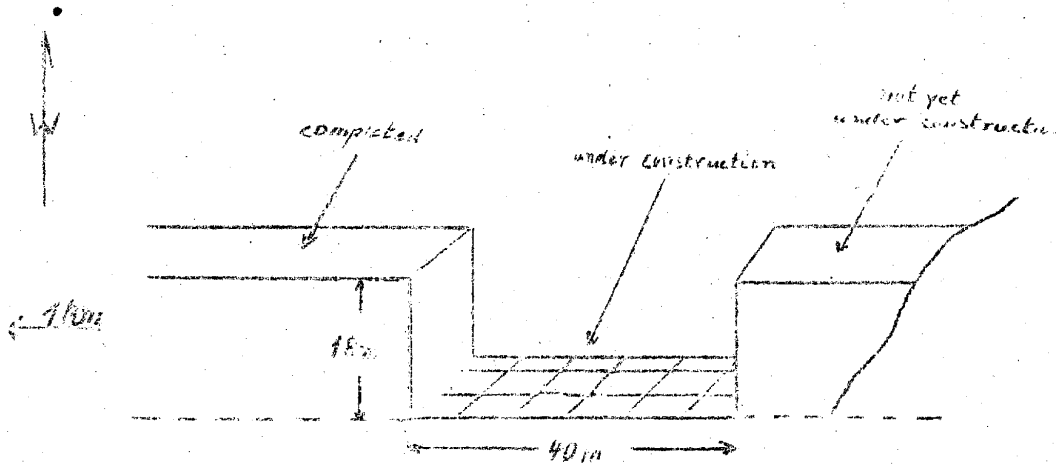
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annex

New Dam of the reservoir

NW of Hwy 2,



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